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no.5, p.47-50.

DESCRIPTORS: *Coils.

(Engineering--Electrical, TT, v. 11, no. 11)

TT-53-26790

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AEC Tr 3561

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Professor A. Y. Kaplyanskiy, On the Occasion of His Sixtieth Birthday, by A. Ye. Alekseyev, G. I. Amabekov, O. B. Bron, D. A. Gorodskiy, et al, 2 pp.

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JPRS-L-1891-D

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General Theory of Hysteresis Electric Motors,
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14 pp

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AEC Tr-4972

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May 60

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SLA 59-22622

Sci - Chem; Electron
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Feb 60

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PP 128,752

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Synchronous Capacitators for Long Distance Electrical Transmission, by A. I. Vazhnov, et al.
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RUSSIAN, per, Elek Stants, Vol XXIX, No 10, 1958, pp 55-57.

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Sci - Electron; Fuels
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Oct 60

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Sci - Engr
Mar 62

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Short Circuits, Asynchronous Operation and Resynchronization of Turbogenerators, by N. A. Poljak. UHCL

RUSSIAN, per. Elektrichestvo, No 11, 1958, pp 18-24.

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Brit - Electron
Nov 59

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Rotkop, L. L.
PARAMÈTRES ÉNERGÉTIQUES D'UN MOTEUR ASYNCHRONE DANS UN SYSTÈME DE RÉGULATION DE LA VITESSE PAR IMPULSIONS (Energeticheskie Pokazateli Asinkhronnogo Dvigatelya v Sisteme Impul'snogo Regulirovaniya Skorosti) (Induction Motor Power Rates in the Impulse Speed Control System). 18p (foreign text included) 7refs. CNRS-X 624.
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Trans. in French of *Elektrichestvo (USSR) 1958, no. 11, p. 38-42.
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DESCRIPTORS: Electric motors, Velocity, Automation, *Induction motors, Control systems, *Speed regulators

(Engineering--Electrical, TT, v. 11, no. 11)

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II. CNRS-X 624
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Oct - Electricity
Jun 59

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Accelerated Method of Testing the Dangers of Electric Sparking, by P. A. Fetisov.

RUSSIAN, per, Elektrichestvo, No 11, 1958, pp 74-78.

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Sci - Electric
Oct 61

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Determination of the Form of the Recovery Voltage in Rectified Installations, by N. M. Maslennikov.

RUSSIAN, per, Elektrichestvo, No 12, 1958, pp 9-13.

DSIR LWJ M.1739
(loan)

Sci - Electricity

128,886

Oct 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

The Occurrence of Sub-Harmonic Resonance in Unbalanced Line Conditions, by M. G. Portnoi, 10 pp.

RUSSIAN, per, Elektrichestvo, No 12, 1958, pp 16-22.

PP

Sci

Feb 61

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Experimental Study of Deformations and Vibrations in Stator Windings, by M. F. Yudov. USCL

RUSSIAN, per, Elektrichestvo, No 12, 1958, pp 39-43.

DSIR LLN M.1377

(loan)

PP 116,555

Sci - Electron
May 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Maximum Energy Output of the Tunnelling Motor Upon Feeding Into the Network, by V. S. Mogilnikov. TOPIC

RUSSIAN, per. Elektrichestvo, No 12, 1950, pp 52-55.

DOIR LIU [illegible]

(Lean)

Sci - Electron

Feb 50

108,398

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Calculation of Losses in the Sliding Contacts of Electric Machinery, by P. S. Livshits, 9 pp.

RUSSIAN, per, Elektrichestvo, No 12, 1956, pp 55-58.

PP

Sci

Feb 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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Popkov, V. I. and Bogdanova, N. B.
METHOD FOR ESTIMATING ANNUAL CORONA LOSSES
[1961] [18]p. 8 refs. C. E. Trans. 1721; [DSIR LLU]
M.3046.
Order from OTS or SLA $1.60 61-27563

Trans. of *Elektrichestvo (USSR) 1959, no. 1, p. 9-16.

DESCRIPTORS: *Electrical corona, Test methods, *Transmission lines, Meteorology.

(Engineering--Electrical, TT, v. 6, no. 9)

61-27563

I. Popkov, V. I.
II. Bogdanova, N. B.
III. CE Trans-1721
IV. DSIR LLU M.3046
V. Central Electricity Generating Board (Gt. Brit.)

165594

Office of Technical Services

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Methods of Estimating Annual Coronal Losses, by
V. I. Popkov, N. B. Bogdanova.

RUSSIAN, per, Elektrichestvo, No 1, 1959, pp 9-16.

HLL M. 3046

Sci

Feb 62

186, 913

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Lyapunov's General Theory of Stability and Questions of Power Stability, by L. V. Teukernik.

RUSSIAN, per, Elektrichestvo, No 1, 1959, pp 13-17.

MLL R. 3460

Sci - Phys

Apr 62

194,038

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Automatic Control of Frequency and Active Loads on Power Systems, by V. M. Gornshtein. [illegible]

[illegible], per, Elektrichestvo, No 1, 1959, pp 25-[illegible].

DSIR LIU (loan) M.821

Sci - Electron
Nov 59

109,737

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Magnetic Noise in Universal Commutator Micromotors, by E. V. Astakhov. UECL

RUSSIAN, per, Elektrichestvo, No 1, 1959, pp 41-45.

DSIR LLU RTS 1466

(12p. 6d.)

Sci - Electricity
Apr 60

113,024

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Junction-Type Silicon Diodes, by G. A. Zollinman, et al. UNCL

RUSSIAN, per, Elektrichestvo, No 1, 1959, pp 64-68.

DSIR LIU RTS 1171

Sci - Electron
Oct 59

12s. 6d. anywhere

99,461

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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A High-Power Germanium Transistor, by A. V. Krasilov. UHOL

RUSSIAN, per, Elektrichestvo, No 1, 1959; pp 72-75.

SLA 59-22721

DSIR LLU RTS 1172

(10s. Od.)

Sci - Electricity
Nov 59

100,764

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Converting Existing Power Transmission Lines to Operate At Higher Voltage, by V. V. Burgsdorf, N. N. Belyakov.

RUSSIAN, per, Elektrichestvo, No 2, Moscow, 1959, pp. 1-5.

FTD/Transportation Communications, and Electric Power in the USSR, No 19.

94,307

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Econ
Aug 59

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Flashover Voltages Across Wide Air Gaps Approximating to Overhead Line and Subspacings, by N. N. Tikhodeyev, A. N. Tushnov.

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 6-10.

MLL M.4011

61-[illegible]

Sci Electricity

186.593

Feb 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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Investigation of Self-Excitation in D.C. Traction Motors, by V. E. Skobelev.

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 30-35.

DSIR LLU M.1673
(loan)

Sci - Electricity, Engr

128,887

Oct 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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A New Method of Determining the Moisture of the Insulation of Transformer Windings, by B. A. Alekseyev.

MOSCOW, per, Elektrichestvo, No 2, 1959, pp 58-63.

CSIRO

Sci - Electron
Jul 62

207,600

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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Investigation on Impulse Breakdown of Some Polymers and Mica, by M. A. Nel'nikov. UNCL

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 64-66.

DSIR LLU M.930

(loan)

111,123

Sci - Electron

Mar 60

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Magnetodielectrics, by L. I. Rabkin, 14 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1959, pp 78-84

ATIC MCL-178/1

Sci - Electronics
Dec 60

134,559

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Vasyutinskiy, S. B., Nagayenko, G. P., and Fedorishin, M. I.
SCREENING OF STEEL MASSES OF A VIBRATION STAND FROM AN A. C. MAGNETIC FIELD (Ekranirovaniye Stal'nykh Massivov Vibrostenda ot Peremennogo Magnitnogo Polya). Feb 61 [14]p. 5 refs. RTS 1730.
Order from LC or SLA mi$2.60, ph$3.30 61-15933

Trans. of Elektrichestvo (USSR) 1959, no. 3, p. 37-41.

(Engineering--Electrical, TT, v. 5, no. 10)

61-15933

1. Electromagnetic equipment--Shielding
2. Magnetic fields--Countermeasures
I. Vasyutinskiy, S. B.
II. Nagayenko, G. P.
III. Fedorishin, M. I.
IV. RTS-1730
V. Department of Scientific and Industrial Research (Gt. Brit.)

160942

Office of Technical Services

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(DC-3696)

Stepan Artem'yevich Burguchev, by V. N. Andrianov, I. A. Budko, N. A. Sazonov, P. F. Skvortsov, 2 pp

RUSSIAN, per, Elektrichestvo, No 3, 1959, p 96.

JPRS 3846

USSR
Biog
Sep 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

New Stage of Electrification in USSR, by V. I. Veyts, V. I. Denisov, (transpor, commun and elec power in the USSR -- 18).

RUSSIA/ per, Elektrichestvo, No 4, Moscow, 1959, pp 1-8.

USSR
Econ - trans, comm, electric power

Jul 59

92, 944

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Currents and Voltages During Single-Phase Short-Circuit in Networks With Auto-Transformers, by B. I. Rozenberg.

RUSSIAN, per, Elektrichestvo, No 4, 1959, pp 31-37.

DSIR LIAU M.1676
(loan)

128,888

Sci - Electricity

Oct 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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Calculation of Transient Phenomena in Complex Three-Phase Circuits Containing Rotating Machines, by O. V. Mzmontov.

RUSSIAN, per, Elektrichestvo, No 5, 1959, pp 5-9.

DBIR LLU M.1799
(loan)

Sci - Electricity

128,893

Oct 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Designing Magnetic Amplifiers which Work into an
rl Lead Through Rectifiers, by A. G. Zdrok.

RUSSIAN, per, Elektrichestvo, No 5, May 1959, pp
25-31.

Internatl Physical Index
Automation Express
Vol II, No 1

Sel

Aug 59

93,846

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Some Observations on the Parallel Operation of D.C. and A.C. Lines, by S. R. Dunchidze. [illegible]

[illegible], per, Elektrichestvo, No 5, [illegible], pp [illegible].

DSIR LLU [illegible]

(loan)

DSIR LLU M. 1800

Sci - Electron (loan) 108,402

Feb 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Kossov, O. A.
PERFORMANCE OF THE SEMICONDUCTOR SWITCH UNDER VARIOUS LOAD CONDITIONS (Rabota Poluprovodnikovogo Klyucha pri Razlichnom Kharaktere Nagruzki). Feb 61 [19]p. 9 refs.
RTS 1635.
Order from LC or SLA ml$2.40, ph$3.30 61-15730

Trans. of Elektrichestvo (USSR) 1959, no. 5, p. 60-65.
Also included in translation available from PP $14.00.

(Engineering--Electrical, TT, v. 5, no. 10)

61-15730

1. Electric switches--Performance
I. Kossov, O. A.
II. RTS-1635
III. Department of Scientific and Industrial Research (Gt. Brit.)

160949

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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Overvoltages After Clearing Phase-To-Phase Faults,
by P. A. Likhachev.

RUSSIAN, per, Elektrichestvo, No 5, 1959,
pp 72-77.

DSIR LLU M.1798
(loan)

Sci - Electricity

Oct 60

130,754

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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Equivalent Circuits for Testing Circuit-Breakers on Disconnection of Unloaded Lines, by N. M. Chernyshev.

RUSSIAN, per, Elektrichestvo, No 6, 1959, pp 40-47.

DSIR LIB M.1801
(loan)

Sci - Electricity

Oct 60

130,752

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Ponomarenko, V. K.
CALCULATING THE MAKING AND RESTRAINING TORQUES OF AN INDUCTION RELAY (Raschet Vrashchayushchego i Tormoznogo Momentov Indukcionnogo Rele) tr. by D. R. H. Phillips. 14 June 60, 20p. (includes foreign text) 3 refs. (not translated) Trafford Park trans. no. 2688; M2033. Order from LC or SLA mi$2.40, ph$3.30 61-13394

Trans. of Elektrichestvo (USSR) 1959, no. 6, p. 48-54.

(Engineering--Electrical, TT, v. 5, no. 2).

61-13394

I. Electric relays--Torque
I. Ponomarenko, V. K.
II. ABI TP/T-2688
III. DSIR LLU M. 2033
IV. Associated Electrical Industries, Ltd. (Gt. Brit.)

142,832

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Tareyev, B. M. and Lerner, M. M.
THE CONTINUOUS OXIDATION BY ALTERNATING CURRENT OF ANODE FOIL FOR ELECTROLYTIC CAPACITORS (Nepreryvnoye Oksidirovaniye Peremennym Tokom Anodney Fol'gi dlya Elektrolificheskikh Kondensatorov). Jan 61 [15]p. 7 refs.
RTS 1664
Order from LC or SLA ml$2.40, ph$3.30 61-15392

Trans. of Elektrichestvo (USSR) 1959, no. 6, p. 71-76.

Tests showed that dynamic forming of anode foil for electrolytic capacitors by ac is best carried out with the baths cross-connected. Baths of existing construction are suitable provided that they are made of material not subject to forming (for example, stainless steel grade 1Kh18N9T). The greatest stability of forming conditions is achieved when the same foil is passed through successive baths connected back to back.
(Engineering--Electronic, TT, v. 5, no. 7)

61-15392

1. Aluminum foils--Oxidation
2. Alternating current--Applications
3. Anodes--Materials
4. Electrolytic capacitors--Materials

I. Tareyev, B. M.
II. Lerner, M. M.
III. RTS-1664
IV. Department of Scientific and Industrial Research (Gt. Brit.)

148,750
MT 57

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

A Circuit for Obtaining Voltage (Surge) Waves of Special Form, by A. A. Akopyan. UNCL

RUSSIAN, per, Elektrichestvo, No 6, 1959, pp 76, 77.

DSIR LLU M.1328

(loan)

Sci - Electron
Apr 60

112,671

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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The External Reactance of Steel Wires and Bus-Bars, by V. Savyuk.

RUSSIAN, per, Elektrichestvo, No 6, 1959, pp 78-80.

DSIR LLU M.1564
(loan)

128,754

Sci - Electricity

Oct 60

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Electric Technology USSR, 1960, Vol III.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 3-13, 19-21, 55-57, 81-83.

PP

Sci

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Vol IV, No 6

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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Commutation in Multistage Direct Field Rotary Amplifiers, by E. F. Tokarev.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 13-18.

MIL M. 3353

Sci - Electron

Apr 62

192,322

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Designing Reactors With a Steel Magnet Circuit and Air Gaps, by E. A. Man'kin.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 35-41.

NLL M.3461

193,800

Sci - Engrs

Apr 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

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Some Questions on the Methods of Testing High-Voltage Insulation, by V. L. Ivanov, et al.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 61-64.

DSIR LLU M.1996
(loan)

Sci - Electricity

128,891

Oct 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Main Characteristics of a High-Voltage Cable,
by B. M. Dragin.

RUSSIAN, per, Elektrichestvo, No 7, 1959,
pp 65-70.

DSIR LLU M.1738
(loan)

Sci - Electricity

Oct 60

130,757

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Method of Measuring the Restoration of Electrical Stability in an Air-Quenched Cut-Off Switch, by V. Gusa, Ya. Tsigelka.

RUSSIAN, per, Elektrichestvo, No 7, 1959, pp 70-72.

DSIR LLU RTS 1498

Sci - Electricity

Oct 60

128,731

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Dumitrescu, A., Elefterescu, M., and Kovaci, S.
METHODS OF FORECASTING ENERGY CONSUMPTION. [1960] [9]p. 3 refs. C. E. Trans. 1659; M2322.
Order from LC or SLA ml$1.80, ph$1.80 61-15464

Trans. of Elektrichestvo (USSR) 1959, no. 8, p. 26-29.

An analytical method is proposed for the determination of the dynamics of overall heat and electrical energy consumption by summation of the energy consumptions in the different branches of the national economy, the latter being determined on the basis of the dynamics of the specific energy consumptions and the dynamics of production in the given branch of industry.

(Physics--Electricity, TT, v. 5, no. 11)

61-15464

1. Electrical energy--Consumption
I. Dumitrescu, A.
II. Elefterescu, M.
III. Kovaci, S.
IV. CE Trans-1659
V. DSIR LLU M. 2322
VI. Central Electricity Generating Board (Gt. Brit.)

160954

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An Analytical Method for Calculating the External Rating of A.C. Generators Energized by Permanent Magnets, by F. F. Galteev, 16 pp

RUSSIAN, per, Elektrichestvo, No 8, 1959, pp 30-35.

OTS TT-62-24821
RAE 936
PP
167,858

Sci - Electron

Sep 61

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Electric Technology USSR, 1960, Vol III.

Russian, per, Elektrichestvo, No 8, 1959, pp 45-51, 65-69, 78-80.

PP

Sel

Apr 62

Vol IV, No 6

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690035-1

Estimate of the Operational (Wear and Tear) Reliability of Electromagnetic Mechanisms, by Ya. A. Rips,

RUSSIAN, per, Elektrichestvo, No 8, 1959, pp 57-62. 9066983

*AEC SCL-T-352 1 pick up

Sci - ~~Electricity~~ Electron

~~Oct 60~~

~~List 43~~

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Geometrical Dimensions and Dielectric Strength of the Insulation of Segmental Conductors, by V. F. Shevchenko-Vinogradov.

RUSSIAN, per, Elektrichestvo, No 8, 1959, pp 69-72.

DSIR LLU M.1790
(loan)

Sci - Electron

Oct 60

130,753

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